

10/527565

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/03996

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B29C45/56 B29C47/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C B20C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 010 592 A (JAMESON LEE KIRBY ET AL) 4 January 2000 (2000-01-04) column 1, line 11 -column 3, line 12; figure 1 column 5, line 18 -column 10, line 27 column 12, line 55 -column 14, line 2; examples 1-4	1-18
X	WO 02 066218 A (UNIV AKRON) 29 August 2002 (2002-08-29) page 1, line 1 -page 4, line 9 page 11, line 23 -page 12, line 11; figure 9	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

28 January 2004

Date of mailing of the international search report

12/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 0151, no. 64 (M-1106), 24 April 1991 (1991-04-24) -& JP 03 032813 A (MURATA MFG CO LTD), 13 February 1991 (1991-02-13) abstract ---	1-18
X	PATENT ABSTRACTS OF JAPAN vol. 0181, no. 33 (M-1571), 4 March 1994 (1994-03-04) -& JP 05 318543 A (TOEI HANBAI KK), 3 December 1993 (1993-12-03) abstract -----	1-18

INTERNATIONAL SEARCH REPORT

...tion on patent family members

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Application No

PCT/GB 03/03996

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6010592	A	04-01-2000	AU 688559 B2	12-03-1998
			AU 3196695 A	19-01-1996
			CA 2193724 A1	04-01-1996
			DE 69528060 D1	10-10-2002
			DE 69528060 T2	07-08-2003
			EP 1116805 A2	18-07-2001
			EP 0766754 A2	09-04-1997
			ES 2182911 T3	16-03-2003
			JP 10504066 T	14-04-1998
			WO 9600318 A2	04-01-1996
			US 6380264 B1	30-04-2002
			US 6020277 A	01-02-2000
			CA 2152536 A1	24-12-1995
			FR 2722711 A1	26-01-1996
			US 6395216 B1	28-05-2002
			US 6036467 A	14-03-2000
			ZA 9505180 A	31-01-1996
WO 02066218	A	29-08-2002	US 6528554 B1	04-03-2003
			WO 02066218 A1	29-08-2002
			US 2003124211 A1	03-07-2003
JP 03032813	A	13-02-1991	NONE	
JP 05318543	A	03-12-1993	NONE	